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CLAIM AMENDMENTS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A system comprising:

a passive optical network element; ~~and~~

a first ultra wideband adapter coupled to the passive optical network element, the first ultra wideband adapter including a first output coupled to a first communication line; ~~the first ultra wideband adapter coupled via a data communication line to~~

a passive communication line splitter including a first input coupled to the first output via the first communication line, a second output coupled to a second communication line, the passive communication line splitter having a third output to a television receiving device via a third communication line; and

a second ultra wideband adapter including a second input coupled to the passive communication line splitter via the second communication line, the second ultra wideband adapter having a connection to an end user computer ~~computing~~ device.

2. (Canceled)

3. (Currently Amended) The system of claim 1 [2], wherein the third output is ~~passive cable splitter element includes a connection to a second coaxial cable path for carrying television signals, the second coaxial cable path~~ connected to a set top box via the third communication line.

4. (Original) The system of claim 3, wherein the set top box is coupled to a television monitor device.

5. (Currently Amended) The system of claim 1, wherein the first ultra wideband adapter includes a third ~~first~~ input coupled to a video output of the passive optical network element and includes a fourth ~~second~~ input coupled to an Ethernet data output of the passive optical network element.

6. (Original) The system of claim 5, wherein the passive optical network element further includes a telephone output connected via a telephone line to an end user telephone device.

7. (Original) The system of claim 6, wherein the end user telephone device and the end user computer device are located within a common residential unit.

8. (Original) The system of claim 1, wherein the passive optical network element has an input to receive an optical communication signal.

9. (Currently Amended) A system comprising:

a passive optical network element having an input to receive an optical communication signal and having a video output, a data output, and a telephony output;

a first ultra wideband adapter coupled to the passive optical network element, the first ultra wideband adapter having a first input coupled to the video output and a second input coupled to the data output, the first ultra wideband adapter having an ultra wideband data output coupled via a data communication line to a passive cable splitter element, the passive cable splitter element connected to a first coaxial cable path and a second coaxial cable path;

a second ultra wideband adapter having an input coupled to the second coaxial cable path and having an output data connection configured to interface with a personal computer..

10. (Original) The system of claim 9, wherein the first coaxial cable path is coupled via a set top box to a video monitor device.

11. (Original) The system of claim 9, wherein the video output is an F connector.

12. (Original) The system of claim 9, wherein the data output is a 100 base T Ethernet interface.

13. (Canceled)

14. (Currently Amended) An ultra wideband adapter comprising:
a first input coupled to a video output of a passive optical network element;
a second input coupled to a data output of the passive optical network element; and
a data output coupled via a data communication line to a passive cable splitter element, the passive cable splitter element connected to a first coaxial cable path and a second coaxial cable path, at least one of the first and the second coaxial cable paths connected to a remote ultra wideband adapter.

15. (Currently Amended) A method of processing communication data comprising:
receiving a video signal from a passive optical network element;
receiving a data signal from the passive optical network element; ~~and~~
converting the data signal to an ultra wideband signal;
communicating the video signal and the ~~an~~ ultra wideband signal ~~that is derived from the data signal~~ along a coaxial cable to a passive cable splitter element;
splitting the video signal and the ultra wideband signal at the passive cable splitter element into a first split signal and a second split signal, wherein the first split signal and the second split signal both include the video signal and the ultra wideband signal;
providing the first split signal to a video receiving device;
providing the second split signal to an ultra wideband adapter;
detecting the ultra wideband signal in the second split signal at the ultra wideband adapter; and
converting the ultra wideband signal at the ultra wideband adapter into a computer readable data signal.

16. (Canceled)

17. (Currently Amended) The method of claim 15 [16], further comprising providing the computer readable data signal to an input of a computer device.

18. (Original) The method of claim 15, wherein the ultra wideband signal is position or amplitude modulated across a range of spectra extending anywhere from 1GHz to 10GHz.

19. - 23. (Canceled)